

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 828 | sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L2 | 5 | L1 and optical near3 sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L3 | 4 | ("7106801").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L4 | 91 | L1 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L5 | 0 | L1 and optical near3 flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L6 | 2 | ("6233045").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L7 | 2 | ("20060103571").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L8 | 7942 | (356/3.01-3.15,4.01-4.1,5.01-5.15,6-22,28,28.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 13:06 |

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| L9 | 1 | L8 and sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L10 | 2 | ("4914826").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L11 | 2 | ("5661237").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L12 | 828 | sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L13 | 0 | L12 and optical near3 flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L14 | 7942 | (356/3.01-3.15,4.01-4.1,5.01-5.15, 6-22,28,28.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L15 | 1 | L14 and sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L16 | 5 | L12 and optical near3 sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |

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| L17 | 4 | ("7106801").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L18 | 91 | L12 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 12:58 |
| L19 | 2 | ("6233045").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L20 | 2 | ("4914826").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L21 | 2 | ("6137621").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L22 | 2 | ("20060103571").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L23 | 2 | ("5661237").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/07/19 12:58 |
| L24 | 32 | 12 and upstream | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:06 |

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|-----|------|---|---|------|-----|------------------|
| L25 | 0 | 12 and upstream near3 leg | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:06 |
| L26 | 0 | 12 and downstream near3 leg | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:06 |
| L27 | 0 | 12 and (upstream or downstream) same leg | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:07 |
| L28 | 40 | 12 and (upstream or downstream) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:07 |
| L29 | 0 | 28 and leg | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:07 |
| L30 | 8 | 28 and arm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:07 |
| L31 | 2 | 12 and (upstream or downstream) same arm | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/07/19 13:07 |
| S1 | 7820 | (356/3.01-3.15,4.01-4.1,5.01-5.15, 6-22,28,28.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:16 |

EAST Search History

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|----|-----|-------------------------|---|------|-----|------------------|
| S2 | 1 | S1 and sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/20 11:17 |
| S3 | 825 | sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/20 11:17 |
| S4 | 90 | S3 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/20 11:51 |
| S5 | 2 | ("4914826").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:24 |
| S6 | 2 | ("20060103571").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:25 |
| S7 | 2 | ("6233045").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:27 |
| S8 | 4 | ("7106801").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:38 |
| S9 | 2 | ("5661237").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/20 11:38 |

EAST Search History

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|-----|-----|------------------------------|---|------|-----|------------------|
| S10 | 5 | S3 and optical near3 sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/20 11:49 |
| S11 | 0 | S3 and optical near3 flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/20 11:51 |
| S12 | 825 | sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/27 16:48 |
| S13 | 5 | S12 and optical near3 sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/27 16:48 |
| S14 | 4 | ("7106801").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |
| S15 | 90 | S12 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/27 16:48 |
| S16 | 0 | S12 and optical near3 flow | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/27 16:48 |
| S17 | 2 | ("6233045").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |

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| S18 | 2 | ("20060103571").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |
| S19 | 7822 | (356/3.01-3.15,4.01-4.1,5.01-5.15, 6-22,28,28.5).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |
| S20 | 1 | S19 and sonde near3 well | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/02/27 16:48 |
| S21 | 2 | ("4914826").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |
| S22 | 2 | ("5661237").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:48 |
| S23 | 2 | ("6137621").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 17:21 |

East Interface Search

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream arm and fluid flowing and pivot links | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L2 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream arm and fluid flowing and pivot | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L3 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream arm and fluid flowing | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L4 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream arm and fluid | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L5 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream arm | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L6 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm and upstream | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L7 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary arm | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L8 | 1 | measuring sonde same hydrocarbon well and downstream arm and secondary | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L9 | 1 | measuring sonde same hydrocarbon well and downstream arm | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L10 | 0 | measuring sonde same hydrocarbon well and downstrea | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L11 | 1 | measuring sonde same hydrocarbon well and downstream | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L12 | 1 | measuring sonde same hydrocarbon well | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L13 | 1 | measuring sonde same hydrocarbon | US-PGPUB | NEAR | ON | 2007/07/19 13:16 |
| L14 | 7 | measuring sonde | US-PGPUB | NEAR | ON | 2007/07/19 13:15 |
| L15 | 1 | measuring sonde same hydrocarbon | US-PGPUB | NEAR | ON | 2007/07/19 13:16 |